

ARKANSAS CITY DUMP

KANSAS

EPA ID# KSD980500789

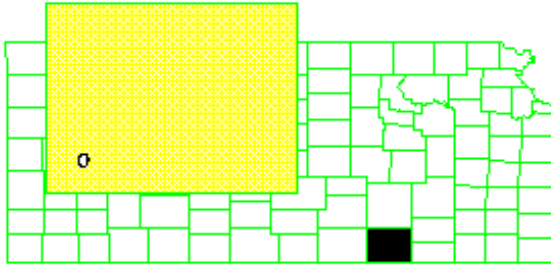
EPA Region 7

City: In southeast Arkansas City, 3 and 1/2 miles north of the Oklahoma State Line

County: Cowley County

Other Names: Millikin Refinery

09/03/2002



SITE DESCRIPTION

The Arkansas City Dump is a 200-acre site in southwestern Arkansas City. From 1916 until the mid-1920s, an oil refinery on site created an acidic sludge waste. Operators disposed of about 1« million cubic feet of sludge in the northern waste area. Municipal wastes were disposed of at the site after an explosion and fire in 1927 destroyed the oil refinery. Between 500,000 and 1 million gallons of residual oil product from the refinery operation were present in the subsurface soils which contain polynuclear aromatic hydrocarbons (PAHs). Much of the organic contamination was related to the release of petroleum products and could not be addressed under the Superfund program because the Superfund "Petroleum Exclusion" excludes cleanup of petroleum products. In addition, the organic contaminants do not present a threat to public health or the environment. The remainder of the wastes at the site consisted of domestic and municipal solid wastes. These wastes also do not appear to present a threat to public health or the environment. The site lies within the 100-year flood plain of the Arkansas River and is separated from the river by a levee. The surrounding land includes commercial and residential areas. Approximately 6,500 people live within a 3-mile radius of the site. About 60 homes are located within 1 mile of the eastern boundary. A city park lies to the west, and several nearby businesses employ up to 100 people. There are no known or suspected uses of groundwater near the site at risk of contamination by the site. Municipal drinking water, which is available to all homes near the site, is obtained from a well field on the other side of the Arkansas River, upriver of this site. The drinking water supply was not at risk of contamination by this site.

Site Responsibility:

This site was addressed through Federal and State

NPL LISTING HISTORY

Proposed Date: 12/30/1982

actions.

Final Date: 09/08/1983

Deleted Date: 03/01/1996

THREATS AND CONTAMINANTS



The undisturbed sludge contained sulfuric acid, significant concentrations of PAHs, other organics, heavy metals, ammonia, and sulfur which could have been toxic to humans if exposed. Contaminants were not detected in the Arkansas River. Groundwater and sediments are contaminated with oil, but do not pose a risk to the public or environment. No drinking water wells were at risk of contamination.

CLEANUP APPROACH

Response Action Status

Groundwater and Sediments: By 1991, the EPA had assessed the oil-contaminated sediments and groundwater, and determined that they did not pose a threat. Therefore, no further cleanup action was selected for this site.

Source Control: In 1988, the EPA selected a remedy for the northern waste area to cleanup acidic sludges by neutralizing them with high pH materials and covering the area with soil after treatment was complete. Cleanup began in 1991 and was completed in 1992.

Site Facts: The EPA lacks jurisdiction to clean up petroleum-related problems under the Superfund program due to the "Petroleum Exclusion" clause in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

ENVIRONMENTAL PROGRESS



In 1997, EPA completed a Five-Year Review evaluating the effectiveness of this remedial action. The Kansas Department of Health and Environment completed several borings into the treated sludge as part of the Five-Year review and found that the treated sludge is still not acidic. EPA found that the remedial action continues to be protective of health and the environment. All construction has been completed at the Arkansas City Dump site and, in 1996 the EPA deleted the site from the NPL. The Kansas Department of Health and Environment is currently conducting a five-year review of the remedial action at the site.

SITE REPOSITORY



Arkansas City Public Library
120 E. Fifth Ave.
Arkansas City, KS 67005

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER:

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COMMUNITY INVOLVEMENT COORDINATOR: Hattie Thomas

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STATE CONTACT:

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MISCELLANEOUS INFORMATION

STATE:

KS

0701

CONGRESSIONAL DISTRICT:

04

EPA ORGANIZATION:

SFD-SUPR/SACR

MODIFICATIONS